



U. S. Department of Agriculture
Forest Service
Southeastern Area
State & Private Forestry

FOREST PEST MANAGEMENT

Report No. 81-3-7

Issued: 5/21/81

AERIAL DETECTION SURVEY OF FOREST INSECT
AND DISEASE ACTIVITY, JEFFERSON NATIONAL
FOREST, VIRGINIA

LAND OWNERSHIP OR SURVEY AREA: Jefferson National Forest

STATE: Virginia

AREA WITHIN SURVEY BOUNDARY: 667,129 acres

DATE: May 12, 1981

PERCENT COVERAGE: 100%

AIRCRAFT: Cessna 182

CREW: G. Autry, T. Buckner, H. Lowe

REPORT PREPARED BY: G. Autry

SURVEY OBJECTIVES

To locate infestations of southern pine beetle and spring cankerworm.

SURVEY RESULTS

Ten southern pine beetle spots containing a total of 58 dead and dying pines were detected. Most of the southern pine beetle activity was found on the Clinch Ranger District. Overall, southern pine beetle populations on the Jefferson National Forest were at a low level.

Defoliation by the spring cankerworm (Paleacrita vernata Peck) was detected on the Clinch and Mt. Rogers Districts. A total of 6 defoliated areas of medium severity were observed.

CONCLUSIONS

Field surveillance by National Forest personnel should continue on the Clinch Ranger District for signs of increasing southern pine beetle population. Defoliation on the Clinch and Mt. Rogers District should also be checked to verify the cause of defoliation.

For additional information, contact:

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Northgate Office Park, Room 2103
Doraville, GA 30340
Telephone: 404/221-4796

or

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Asheville, NC 28802
Telephone: 704/258-2850

Table 1. Southern pine beetle infestations on the Jefferson National Forest

<u>District</u>	<u>Spots</u>	<u>Total # trees</u>
Blacksburg	0	0
Clinch	7	34
Glenwood	1	1
Mt. Rogers	1	20
New Castle	0	0
Wythe	<u>1</u>	<u>3</u>
Total	10	58